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Stable, low lipid content water-in-oil emulsions, useful as non-tacky cosmetic or dermatological formulations, containing (poly)glycol or (poly)glycerol derivative surfactant and nonionic polymer

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Number of Countries: 026 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 1195154	A2	20020410	EP 2001123637	A	20011002	200254 B
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Priority Applications (No Type Date): DE 1049066 A 20001004

Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
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Designated States (Regional): AL AT BE CH CY DE DK ES FI FR GB GR IE IT

LI LT LU LV MC MK NL PT RO SE SI TR

DE 10049066	A1			A61K-007/00	
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Abstract (Basic): EP 1195154 A2

Abstract (Basic):

NOVELTY - A new water-in-oil emulsion (A) contains water (optionally together with water-soluble components) at 70 wt. % or more and lipids, emulsifiers and lipophilic components at a total of 20 wt. % or less, has a lipid phase of overall polarity 20-45 mN/m and contains at least one (poly)glycol or (poly)glycerol derivative surfactant (I) and at least one nonionic polymer (II).

DETAILED DESCRIPTION - A new water-in-oil emulsion (A) contains water (optionally together with water-soluble components) at 70 wt. % or more and lipids, emulsifiers and lipophilic components at a total of 20 wt. % or less, has a lipid phase of overall polarity 20-45 mN/m and contains at least one surfactant of formula (I) and at least one nonionic polymer (II).

A, A'=linear or branched, optionally unsaturated alkyl, acyl or hydroxyacyl of 10-30C; or a polyester residue of formula

-(OC(O)-R''-CHR')b-OH;

R'=1-20C alkyl;

R''=optionally branched 1-20C alkylene;

b=2-202;

a=1-100 (preferably 2-60, especially 5-40);

X=direct bond or -CH(OR3)-;

R1, R2=H or Me; and

R3=linear or branched, optionally unsaturated alkyl or acyl of 1-20C.

ACTIVITY - Dermatological; Antiacne.

No details are given.

MECHANISM OF ACTION - None given.

USE - (A) are especially useful as cosmetic or dermatological preparations, specifically cosmetic skin-care compositions (e.g. cleansing, facial or body skin care or sun-screen compositions), decorative (make-up) cosmetics, hair cosmetics, lip care compositions, deodorants or topical medicinal preparations (e.g. for treating acne or other skin disorders). (A) are typically in the form of ointments, creams, lotions or milks, and may contain a wide range of active agents (e.g. antioxidants (such as vitamin A, vitamin E or their derivatives), antimicrobial agents, antiinflammatories or UV filters). Non-cosmetic applications of (A) (e.g. as coating or binding agents) are also possible.

ADVANTAGE - (A) are well tolerated by the skin and give a pleasant, non-tacky feeling on the skin (i.e. have good sensory properties). (A) also have good stability, even in the case of low-viscosity emulsions, despite their low lipid content.

pp; 16 DwgNo 0/0